

rotation of water-control shaft 20, the radial side of secondary notch B1 will be firstly connected to diversion hole A1 (as shown in FIG. 5). Then the radial side of secondary notch B2 will be connected to diversion hole A2 (as shown in FIG. 7);

[0018] The sprinkler further includes a switch 30 provided at one side of water-control shaft 20 and exposed to the surface of shunt 10. The end-user can hold it to rotate water-control shaft 20;.

[0019] There is also a detergent storage pipe 40 provided at the top of shunt 10 and composed of an internal pipe 41 a pipe case 42. The base of the pipe case 42 is attached to the top of shunt 10 while the top of pipe case 42 is provided with a reducing linkage member 43 for the connection of preset sprinkler head fittings. The inlet of detergent 44 is reserved at the top of one side of pipe case 42 and capable of providing a hood 45 to avoid the leakage of detergent W1. The base 411 of the internal pipe 41 is inserted into the horizontal notch 112 at the top of shunt 10 while the top 412 of the internal pipe 41 is inserted into the linkage member 43 of pipe case 42 to form a notch hole 46. The base of internal pipe 41's orifice 410 is connected to the axial hole 11 of shunt 10 while the top of internal pipe 41's orifice 410 runs upwards until the top of linkage member 43 of pipe case 42 so as to form an outflow tube. Based upon the compartment between internal pipe 41 and pipe case 42, a circular detergent tank 47 can be shaped. Moreover, the base of the detergent tank 47 is connected to the diversion hole A1, A2 of shunt 10.

[0020] The sprinkler of the present invention includes a convex ring edge 23 be formed at one side of water-control shaft 20 far away from the switch 30, so as to provide a notch edge 121 at the opposite side of shunt 10's radial notch 12 as shown in FIG. 3 and insert spacer by the convex ring edge 23. A screw hole 24 is provided at one side of water-control shaft 20 so as to place a punching hole 31 at the center of switch 30. A screw bolt 32 is applied to cross through the punching hole 31 of the switch 30, and then fastened to the screw hole 24 of water-control shaft 20. At the same time, it is capable of assembling and positioning the switch 30 and water-control shaft 20 as shown in FIG. 3.

IN THE ABSTRACT

On page 10, please amend the Abstract as follows:

A sprinkler comprises includes a shunt, a water-control shaft, a switch and a detergent storage pipe, wherein said the shunt is provided with axial hole vertically connected to radial notch. Both sides of this shunt are vertically equipped with ~~both~~ diversion holes. The top ends and bases of both diversion holes are separately connected to radial notch; the rotatable water-control shaft is linked to the radial notch of shunt. The middle section of the rod is provided with a concave main notch and a water panel. Both sides of main notch are equipped with two secondary notches. The radial positions of secondary notches are staggered, of which opposite internal edges of secondary notches are connected to main notch. ~~Thus, it is possible to rotate the switch to activate the water-control shaft, and based upon the variable angles/positions of main notch and secondary notches, offer optional modes of supplying either water or mixed detergent so as to serve the major purposes.~~